



## Performance Data Sheet

**VSA9528ZXT**

### General Information

<b>Model</b>	VSA9528ZXT	<b>Refrigerant</b>	R-404A
<b>Test Condition</b>	ARI	<b>Performance Test Voltage</b>	220V 3~ 50HZ
<b>Return Gas</b>	4.4°C (40°F) RETURN GAS	<b>Motor Type</b>	3PH

### Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
0	Btu/h	22200	20300	18500	16700	14800	12900	11000
	Watts	2370	2670	2970	3280	3590	3900	4220
	Amps	8.75	9.40	10.1	10.7	11.4	12.1	12.9
	Lb/h	372	364	356	348	340	332	323
5	Btu/h	25000	22900	20800	18700	16600	14500	12400
	Watts	2400	2700	3010	3320	3640	3960	4290
	Amps	8.77	9.45	10.1	10.8	11.5	12.3	13.0
	Lb/h	420	412	404	396	387	379	369
10	Btu/h	27900	25600	23300	21000	18700	16300	13900
	Watts	2420	2730	3040	3360	3680	4010	4340
	Amps	8.79	9.49	10.2	10.9	11.6	12.4	13.2
	Lb/h	473	465	456	448	439	430	421
15	Btu/h	31000	28500	25900	23400	20800	18200	15600
	Watts	2440	2760	3080	3400	3730	4060	4400
	Amps	8.82	9.54	10.3	11.0	11.7	12.5	13.3
	Lb/h	530	521	513	504	496	486	477
20	Btu/h	34300	31500	28700	25900	23100	20300	17500
	Watts	2470	2790	3120	3450	3780	4110	4450
	Amps	8.90	9.62	10.4	11.1	11.9	12.6	13.4
	Lb/h	591	583	574	565	556	547	537
25	Btu/h	37700	34600	31600	28600	25600	22500	19400
	Watts	2520	2850	3170	3500	3840	4180	4520
	Amps	9.03	9.76	10.5	11.3	12.0	12.8	13.6
	Lb/h	656	648	639	630	621	612	602
30	Btu/h	41200	37900	34700	31400	28100	24900	21500
	Watts	2590	2920	3250	3580	3920	4260	4610
	Amps	9.23	9.97	10.7	11.5	12.3	13.0	13.9
	Lb/h	725	717	708	699	690	680	670

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.670286E+04	3.008942E+01	3.644957E+00	4.296286E+02
C2	9.216168E+02	-6.820700E+00	-3.252501E-02	9.570967E+00

C3	-1.826670E+02	2.948339E+01	6.439931E-02	-7.405644E-01
C4	3.183301E+00	-1.975113E-02	2.742821E-06	8.989674E-02
C5	-4.755391E+00	1.553516E-01	5.033071E-04	-5.241278E-03
C6	4.252951E-02	-1.046966E-02	-3.296045E-05	7.173706E-04
C7	-2.834983E-03	7.560238E-03	2.659381E-05	-2.045631E-04
C8	-1.214894E-03	-1.697711E-03	-5.934293E-06	4.152958E-05
C9	4.035067E-04	-6.258599E-05	-2.168727E-07	3.413222E-06
C10	-3.537115E-04	9.827130E-05	3.121675E-07	-6.353241E-06

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature



## Performance Data Sheet

**VSA9528ZXT**

### General Information

<b>Model</b>	VSA9528ZXT	<b>Refrigerant</b>	R-404A
<b>Test Condition</b>	ARI	<b>Performance Test Voltage</b>	230V 3~ 60HZ
<b>Return Gas</b>	4.4°C (40°F) RETURN GAS	<b>Motor Type</b>	3PH

### Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
0	Btu/h	27400	25200	23000	20800	18600	16400	14100
	Watts	2720	3050	3390	3730	4080	4430	4790
	Amps	8.33	9.12	9.92	10.7	11.5	12.4	13.2
	Lb/h	456	449	442	435	428	421	413
5	Btu/h	30700	28300	25800	23300	20700	18200	15700
	Watts	2760	3100	3450	3800	4160	4520	4880
	Amps	8.41	9.22	10.0	10.9	11.7	12.6	13.4
	Lb/h	514	506	498	491	482	474	466
10	Btu/h	34300	31500	28700	25900	23100	20300	17400
	Watts	2790	3140	3500	3860	4220	4590	4970
	Amps	8.49	9.32	10.2	11.0	11.9	12.7	13.6
	Lb/h	577	569	560	551	542	533	524
15	Btu/h	38100	35000	31900	28700	25600	22500	19300
	Watts	2830	3190	3550	3920	4290	4670	5050
	Amps	8.57	9.42	10.3	11.1	12.0	12.9	13.8
	Lb/h	647	637	627	618	608	598	588
20	Btu/h	42000	38600	35200	31800	28300	24900	21400
	Watts	2890	3250	3620	3990	4370	4750	5130
	Amps	8.69	9.56	10.4	11.3	12.2	13.1	14.0
	Lb/h	722	711	701	690	679	668	657
25	Btu/h	46200	42500	38700	35000	31200	27500	23700
	Watts	2960	3330	3700	4070	4450	4840	5230
	Amps	8.87	9.75	10.6	11.5	12.4	13.3	14.3
	Lb/h	803	792	780	768	756	744	732
30	Btu/h	50500	46500	42400	38400	34300	30300	26200
	Watts	3060	3430	3800	4180	4570	4950	5350
	Amps	9.13	10.0	10.9	11.8	12.7	13.6	14.6
	Lb/h	891	878	866	853	840	827	814

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.475905E+04	7.831419E+01	2.161654E+00	5.095457E+02
C2	1.148150E+03	-6.926629E+00	-2.379699E-02	1.243756E+01

C3	-2.184795E+02	3.317049E+01	7.764117E-02	-6.833526E-01
C4	3.751814E+00	-2.636128E-02	-3.341472E-05	1.111806E-01
C5	-6.117706E+00	2.004525E-01	5.340390E-04	-1.717098E-02
C6	3.268272E-02	-1.036002E-02	-2.685210E-05	4.150365E-04
C7	7.625576E-03	9.920219E-03	2.792749E-05	2.673189E-04
C8	-2.949858E-03	-2.289175E-03	-6.533870E-06	-5.755159E-05
C9	1.760382E-04	-5.726525E-05	-1.466882E-07	-1.299837E-06
C10	-2.508499E-04	9.861890E-05	2.593399E-07	-3.162421E-06

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

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**VSA9528ZXT**

### General Information

<b>Model</b>	VSA9528ZXT	<b>Refrigerant</b>	R-404A
<b>Test Condition</b>	ARI	<b>Performance Test Voltage</b>	230V 3~ 60HZ
<b>Return Gas</b>	18.3°C (65°F) RETURN GAS	<b>Motor Type</b>	3PH

### Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
20	Btu/h	42700	39600	36400	33200	29900	26700	23400
	Watts	2960	3340	3730	4120	4520	4920	5330
	Amps	8.84	9.77	10.7	11.7	12.6	13.6	14.6
	Lb/h	670	662	653	644	635	625	616
25	Btu/h	46900	43400	39900	36400	32900	29400	25800
	Watts	3010	3400	3800	4200	4610	5020	5430
	Amps	8.95	9.90	10.9	11.8	12.8	13.8	14.8
	Lb/h	744	735	725	715	704	694	683
30	Btu/h	51300	47500	43700	39900	36100	32300	28400
	Watts	3070	3470	3870	4280	4700	5110	5540
	Amps	9.07	10.0	11.0	12.0	13.0	14.1	15.1
	Lb/h	825	814	803	791	780	768	757
35	Btu/h	56000	51900	47800	43700	39500	35400	31200
	Watts	3130	3540	3950	4370	4790	5220	5650
	Amps	9.22	10.2	11.2	12.2	13.3	14.3	15.4
	Lb/h	911	899	887	874	862	849	836
40	Btu/h	60900	56500	52100	47600	43200	38700	34200
	Watts	3200	3620	4040	4460	4890	5330	5770
	Amps	9.39	10.4	11.4	12.5	13.5	14.6	15.7
	Lb/h	1010	991	978	964	950	936	921
45	Btu/h	66100	61300	56600	51800	47100	42300	37500
	Watts	3290	3710	4140	4570	5000	5440	5890
	Amps	9.60	10.6	11.7	12.8	13.8	14.9	16.0
	Lb/h	1110	1090	1080	1060	1050	1030	1010
50	Btu/h	71500	66500	61400	56300	51200	46100	41000
	Watts	3380	3810	4250	4680	5130	5570	6020
	Amps	9.85	10.9	12.0	13.1	14.1	15.3	16.4
	Lb/h	1210	1200	1180	1160	1150	1130	1110

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.397208E+04	4.367630E+01	2.081680E+00	4.700710E+02
C2	1.130000E+03	-6.928129E+00	-2.991210E-02	1.132100E+01

C3	-2.023746E+02	3.432647E+01	8.060078E-02	-5.514920E-01
C4	3.674336E+00	-4.094518E-03	-1.637856E-05	9.991416E-02
C5	-5.773826E+00	2.107635E-01	6.242547E-04	-1.467520E-02
C6	6.238657E-02	-1.112639E-02	-3.308290E-05	8.305162E-04
C7	1.918404E-02	2.357546E-03	7.840701E-06	5.101704E-04
C8	-7.969271E-03	-8.610385E-04	-2.854241E-06	-1.849774E-04
C9	5.534249E-04	9.460598E-06	3.693193E-08	7.835890E-06
C10	-4.639489E-04	9.918022E-05	2.968991E-07	-5.673030E-06

Value = C1 + C2 \* Te + C4 \* Te^2 + C7 \* Te^3 + (C3 + C5 \* Te + C8 \* Te^2) \* Tc + (C6 + C9 \* Te) \* Tc^2 + C10 \* Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature